A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 62 - No. 11 NOVEMBER, 1984

PAPER AND PAPERBOARD PRODUCTION: STILL STEADY

The trend position of paper and paperboard production in October 1984 (the average of the September and October seasonally adjusted levels) remained in the 69-70 million tons per year range that has been evident since July. This range is about one million tons per year higher than that of the first six months of 1984. Weekly data for November suggest that production declined a bit more than the usual seasonal drop, but is still well within the range experienced during the year.

If production in December remains at its November rate, the 1984 total would be about 69 million tons, with paper just over 34.5 million tons and paperboard a little short of that level. These totals indicate a 5% gain for paper and a 6.5% gain for paper-board over their respective 1983 record highs.

Among the paper grades, the production trends have been fairly flat since mid-year. In the uncoated free sheet grades, new orders have been below shipments in every month of this year except March; as a result the unfilled order level at the end of October was 43% below its year-ago figure. (The unfilled orders data shown for the three major printing paper grades reflect the latest revisions in these data published by the Printing-Writing Paper Division, based upon their semi-annual re-survey of the orders data.)

Coated paper orders and shipments for the first 10 months of 1984 were within one-half per cent of each other, and demand continues quite strong. The backlogs remains relatively high.

Although imports of uncoated free sheet papers in the third quarter of 1984 were slightly below their first half average, the January-September 1984 rate was in excess of 500,000 tons per year, nearly 3 times its comparable year-ago level. Imports of uncoated free sheet papers accounted for more than 5% of the total new supply in this period.

On a year-to-year basis, the largest gains among the paper grades were in newsprint, up 8% from its year-ago level; coated papers, up 10%; cotton fiber papers, up 9% (although the tonnages here are quite small) and the "other" packaging and

Continued on Page 2

industrial papers, up 6.6%. Among the major markets for printing and writing papers, above-average gains were noted for printers, publishers and business forms converters (this latter category includes computer print-out papers).

Among the paperboard grades, the trend of unbleached kraft paperboard in October 1984 was somewhat below the levels reached in mid-1984, although still above the level of the early months of the year. The 10-month linerboard production total was 8% above its comparable year-ago level even while the production of kraft linerboard for export was down by nearly 10%. Semichemical paperboard production, the other major part of containerboard, showed an 11% gain over its year-ago level. Total production of containerboard for domestic use -- which includes the recycled grades of corrugating materials -- rose by more than 10% from its year-ago level. These totals reflect the strength in demand for corrugated shipping containers.

Boxboard production for domestic use held up fairly well in October. For the entire January-October period, production of folding boxboard rose nearly 9% even though exports fell by 20%. These exports -- largely bleached board -- accounted for only 2.5% of total folding boxboard production. Production of milk carton stock has been strong, showing a 6% gain in this period. Among the miscellaneous grades, production of gypsum wallboard facings in October 1984 was 7% below its year-ago rate, although for the entire January-October period the total was 22% above its comparable year-ago level.

Imports and Exports

Imports of paper, paperboard and products in September 1984 eased slightly from the level of the preceeding three months, but nonetheless remained relatively high. The third quarter 1984 total, at 2.85 million tons, was 37.5% above its comparable year-ago level. For the entire January-September 1984 period, imports were up by 28%.

Exports of paper, paperboard and products, by way of contrast, strengthened somewhat in September, but their third quarter total was slightly below the level of both the previous and year ago quarters. For the entire nine month period, exports of paper, paperboard and products were down about 2%.

This pattern of strength in imports and modest weakness in exports has been evident since the beginning of 1983. The lower table on page 10 shows quarterly data for imports and exports of paper, paperboard and products in some detail.

The quarterly totals of imports of paper, paperboard and products rose in an almost unbroken trend from the beginning of 1983 to the third quarter of 1984, with the third quarter 1984 levelling out at 50% above that of the first quarter of 1983.

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PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Tons)

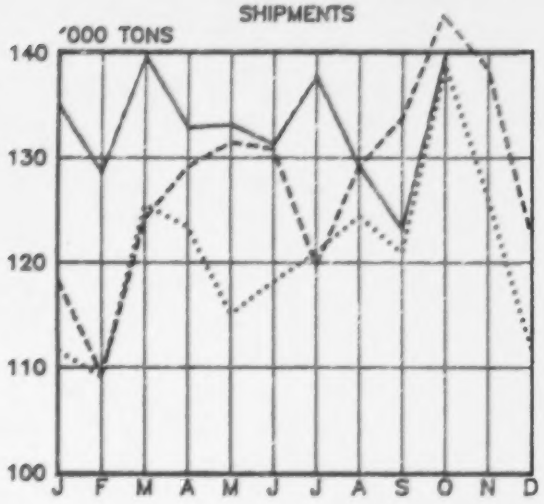
	YEAR 1982	YEAR 1983	JULY 1984	AUG. 1984	SEPT 1984	OCT. 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
					R	P		
PAPER								
Newsprint - Production	5042	5167	451	470	457	474	5585	8.2
- Shipments	4988	5153	455	459	451	469	5625	9.8
Printing & Writing	15611	17387	1455	1560	1482	1609	18535	7.2
Groundwood Paper - Shipments	1471	1531	138	129	123	140	1587	4.8
- New Orders	1481	1581	139	150	123	140	1627	1.8
- Unfilled Orders	92	145	150	168	168	170	170	3.4
Coated Paper - Shipments	4974	5698	478	538	496	547	6228	10.5
- New Orders	4841	5864	502	545	478	535	6182	5.8
- Unfilled Orders	322	513	485	488	482	458	458	-11.0
Uncid Free Sheet - Shipments	7855	8767	727	770	724	800	8238	5.8
- New Orders	7827	8978	696	723	710	775	8870	-2.3
- Unfilled Orders	321	887	449	401	394	367	367	-42.8
Thin Paper - Shipments	328	328	25	28	27	30	344	2.8
Cotton Fiber Paper - Shipments	120	131	10	13	11	11	141	8.4
Bleached Bristols - Production	882	834	77	82	80	82	886	5.8
Tissue Paper - Production	4438	4788	391	411	409	425	4880	1.8
Total Packaging & Other Paper	5300	5833	484	481	482	480	5844	3.8
Unbl. Kraft Paper - Shipments	3888	3807	328	318	313	325	3900	2.5
Other Paper - Production	1812	1826	158	162	149	155	1944	6.6
TOTAL PAPER-Production-Unadj. *	30390	32976	2782	2921	2790	2988	34844	6.0
-Production-S.A. *			2884	2809	2809	2878	34543	5.7
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	22589	24779	2184	2323	2222	2243	26825	7.8
Unbl. Kraft Linerboard (1)	13494	15001	1296	1421	1375	1368	16308	8.2
Production for Export	1831	2281	174	214	174	149	2107	-8.5
Other Unbl. Kraft Paperboard	1040	1121	107	101	83	89	1174	1.8
Semichemical Paperboard	4388	4730	436	451	435	440	5231	11.0
Production for Export	185	193	9	17	14	10	149	-27.7
Solid Bleached Paperboard	3665	3926	344	351	330	346	4113	4.5
Production for Export	525	514	36	37	39	38	475	-8.8
Recycled Paperboard	6476	7398	609	645	681	683	8043	8.4
Production for Export	13	24	1	2	2	2	18	-32.6
TOTAL PAPERBOARD-Prod.-Unadj. *	28065	32177	2792	2967	2883	2926	34868	8.0
- Containerboard Prod.(Dom. Use)	17508	19173	1706	1797	1766	1800	21198	10.5
- Boxboard Prod.(Dom. Use) (2)	5150	5551	478	510	515	525	6025	8.4
- All Other P'bd Prod.(D.U.) (2)	3753	4397	388	390	374	403	4898	11.1
- Total Paperbd Prod. for Export	2854	3012	220	270	229	198	2748	-10.9
TOTAL PAPERBOARD PROD.- S.A. *			2930	2856	3032	2908	34345	7.7
TOTAL PAPER AND PAPERBOARD								
Production - actual *	58456	65152	5574	5888	5674	5814	69711	7.0
Production - S.A. *			5924	5665	5941	5887	68888	6.7

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* NOTE: Year 1984 contains one more day than year 1983.

P Preliminary
R Revised
S.A. Seasonally Adjusted

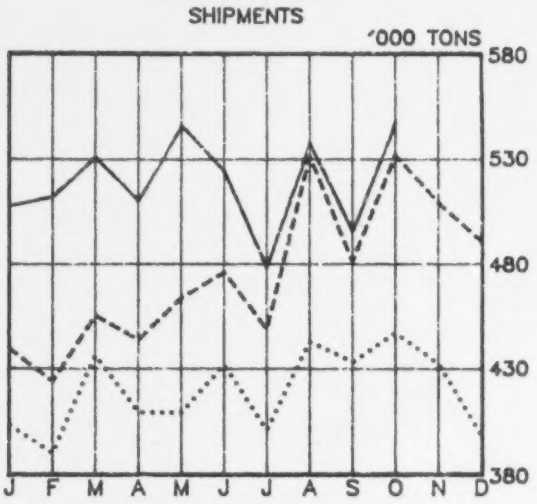
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



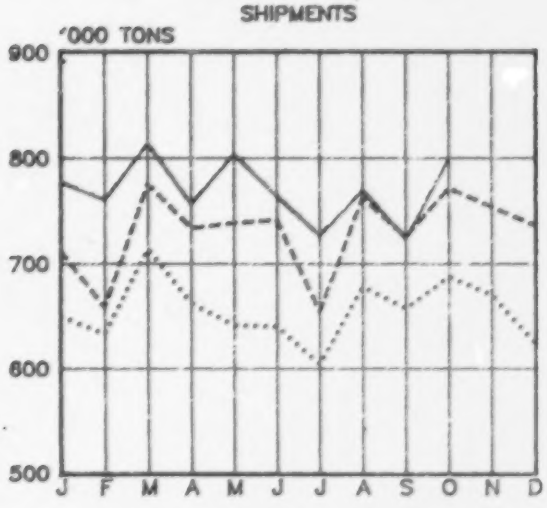
COATED PAPER

SHIPMENTS



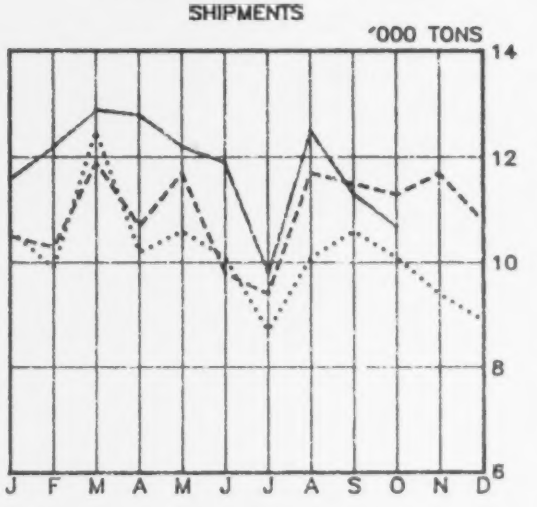
UNCOATED FREE SHEET PAPERS

SHIPMENTS



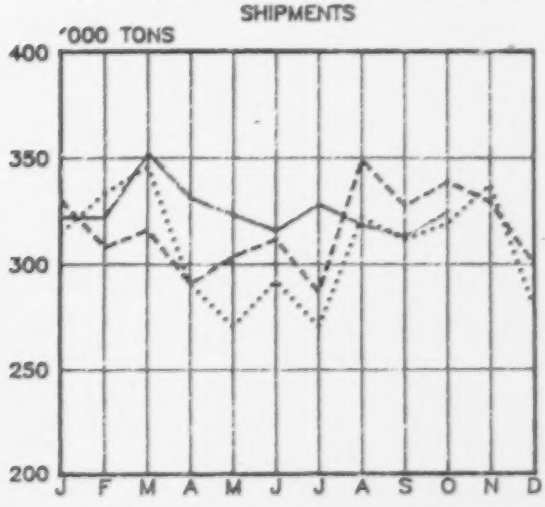
COTTON FIBER PAPER

SHIPMENTS



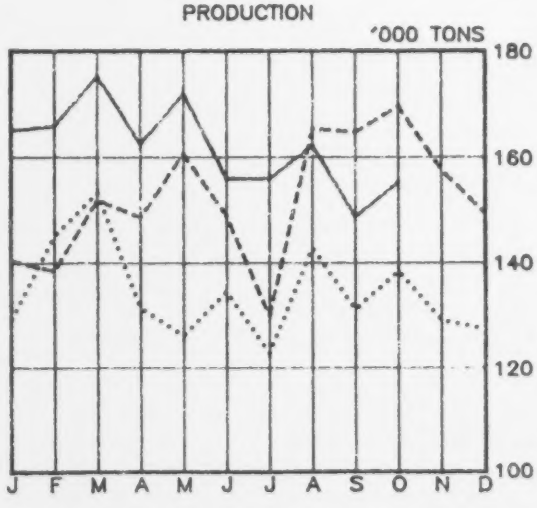
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1982 ····· 1983 - - - - - 1984 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1982	YEAR 1983	JUNE 1984	JULY 1984	AUG. 1984	SEPT 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	49334	52537	4686	4530	4781	4551	55907	7.2
- Imports	3656	4093	360	357	389	386	4421	12.2
- Exports	3395	3644	307	279	318	285	3632	1.1
- New Supply	49595	52986	4749	4608	4862	4653	56695	7.9
Dissolving Pulp - Production	1082	1261	100	98	108	73	1221	-1.2
- Imports	186	192	7	15	8	23	187	-15.4
- Exports	631	647	57	41	43	48	605	3.8
- New Supply	647	806	50	73	74	47	783	-8.0
Paper Grades - Production	38478	42358	3767	3645	3891	3898	45017	6.8
Chemical Pulp - Imports	3302	3708	331	321	355	330	3872	11.2
- Exports	2736	2858	243	228	272	232	2872	0.3
- New Supply	40044	43108	3856	3736	3974	3783	46017	7.7
Groundwood and - Production	5064	5067	492	471	461	457	5601	11.8
Thermo-Mech. - Imports	167	185	22	21	26	33	281	63.8
- Exports	27	40	6	8	3	4	55	20.3
- New Supply	5204	5222	498	483	483	486	5827	13.5
Semi-Chemical - Production	3889	3851	346	316	330	326	4088	6.4
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3899	3851	346	316	330	326	4088	6.4
MARKET WOOD PULP								
Total Market - Production	5732	6478	554	572	593	547	6782	5.5
Wood Pulp - Imports	2443	2845	255	281	273	273	3216	15.1
- Exports	3143	3421	313	253	280	313	3537	2.8
- New Supply	5031	6002	496	599	575	507	6461	11.7
Dissolving Pulp - Production	1088	1260	100	98	109	73	1219	-1.4
- Imports	184	210	11	20	8	11	189	-7.0
- Exports	679	698	61	45	50	67	705	4.0
- New Supply	608	772	50	74	67	16	703	-7.6
Paper Grades - Production	4643	5206	452	472	483	473	5550	7.1
Chemical Pulp - Imports	2202	2698	238	254	260	241	2838	14.8
- Exports	2468	2723	252	208	240	246	2832	2.6
- New Supply	4377	5181	438	518	503	468	5856	13.5
Groundwood Pulp - Production	1	12	2	1	1	1	13	16.3
and All Other - Imports	46	38	6	7	4	4	76	147.3
- Exports	0	0	0	0	0	0	0	0.0
- New Supply	47	49	8	7	5	5	80	112.4

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

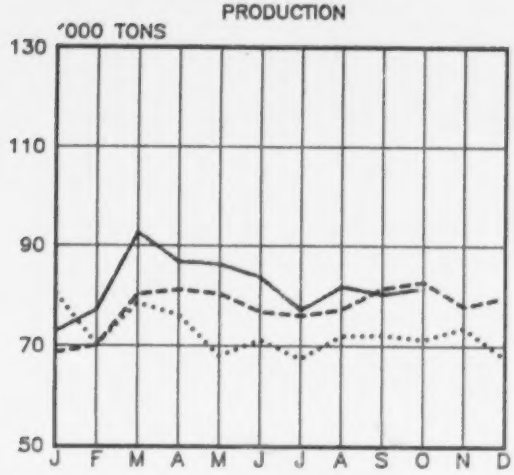
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	61332	65517	5883	5646	6064	5761	70406	8.7
Total Wood Pulp	47767	50978	4562	4437	4694	4478	54543	8.1
Waste Paper	13565	14538	1331	1209	1370	1283	15863	10.5
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	177	170	159	153	159	162	162	-11.0
Market Pulp at Pulp Mills	437	384	319	379	408	415	415	-3.8
Mkt Pulp at Ppr. & Bd. Mills *	429	504	586	542	506	508	508	10.2
Waste Paper at Paper &Bd. Mills	1022	920	870	934	955	831	831	6.3
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	37	28	25	30	28	30	30	-3.2

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

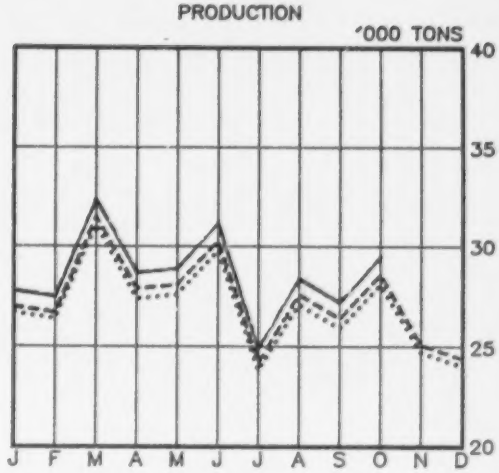
BLEACHED BRISTOLS

PRODUCTION



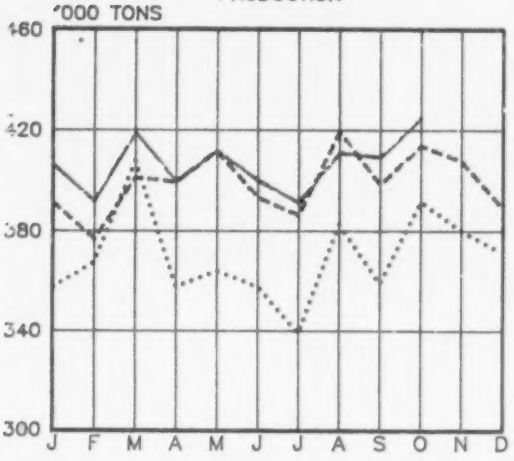
THIN PAPER

PRODUCTION



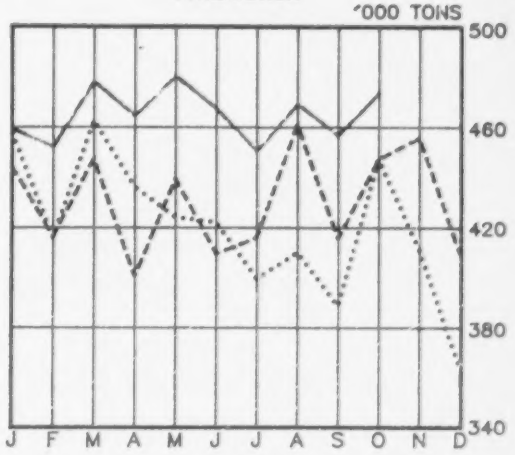
TISSUE PAPER

PRODUCTION



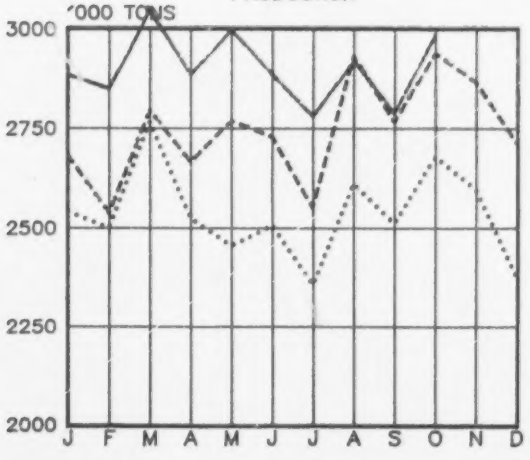
NEWSPRINT

PRODUCTION



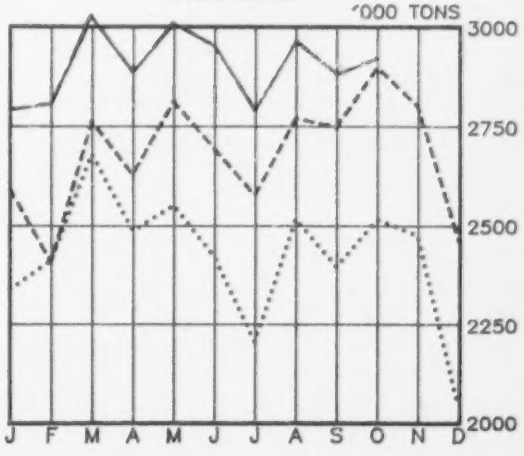
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic feet) Cords)

		YEAR 1982	YEAR 1983	JUNE 1984	JULY 1984	AUG. 1984	SEPT 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78519	84475	7423	7197	7642	7398	80378	5.3
	- Total Consumpt.	78039	85442	7264	7192	7368	7246	87991	3.3
	- Residues *	31152	32755	2652	2547	2690	2526	32307	-0.8
	- Inventories	5428	5229	4682	4621	4825	5023	5023	-0.6
So. Atlantic	- Total Receipts	23769	25736	2402	2301	2336	2464	27065	5.8
	- Total Consumpt	23725	25847	2290	2301	2319	2464	27027	4.6
	- Residues *	8273	7904	721	660	684	680	8144	3.6
	- Inventories	1165	1163	1080	1039	1045	1163	1163	2.1
Northeast	- Total Receipts	7283	7051	606	577	615	623	7347	7.3
	- Total Consumpt	7221	7274	648	542	574	595	7508	4.8
	- Residues *	1452	1199	113	115	146	133	1456	27.0
	- Inventories	652	577	375	422	481	491	491	-2.6
South Central	- Total Receipts	28510	29408	2705	2555	2789	2529	31019	6.2
	- Total Consumpt	27153	29152	2575	2618	2708	2483	30691	5.4
	- Residues *	8618	9218	769	757	822	705	9045	-2.3
	- Inventories	1348	1536	1428	1191	1215	1186	1186	-16.5
North Central	- Total Receipts	5601	6285	582	576	632	526	7001	12.2
	- Total Consumpt	5706	6343	560	523	558	511	6695	5.8
	- Residues *	1517	1822	136	121	138	116	1528	-15.1
	- Inventories	825	851	821	817	855	866	866	1.8
West	- Total Receipts	15356	16014	1128	1188	1270	1256	15943	-0.2
	- Total Consumpt	15234	16826	1191	1208	1209	1193	16071	-4.1
	- Residues *	11284	12812	913	894	900	892	12133	-3.1
	- Inventories	1338	1102	980	1152	1229	1317	1317	15.8

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

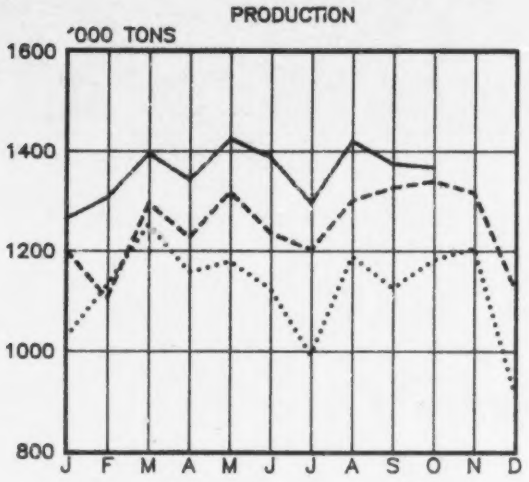
	YEAR 1983 Tons	YEAR 1983 $000	AUG. 1984 Tons	AUG. 1984 $000	SEPT 1984 Tons	SEPT 1984 $000	Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	155124	7471	9988	465	10136	810	186868	74.4
Pulpwood Chips	1987168	48979	122376	2867	158729	3470	2245801	11.1
Wood Pulp, Total	3755201	1363975	359714	152539	332935	142190	4031368	10.8
Waste Fibrous Materials, Total	157732	28491	13198	2519	12681	2027	157559	0.7
Paper, Board & Products,Total	8274914	3372726	848876	360937	808620	353334	9382924	15.7
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8221322	3274062	843576	352867	802578	343207	9316111	15.6
Paper Paperboard & Products	7846516	3277974	803950	350952	762046	342546	8925964	16.7
Paper & Paperboard, Only	7792824	3178310	798650	342882	756003	332419	8859151	16.6
Paper, Total	7633585	3138193	782062	337831	739155	327375	8638627	16.0
Newsprint	6843135	2732234	696391	288845	646871	276142	7696512	15.3
Printing,Writing & Rel.Pap.	695907	348512	76948	42018	80734	43666	818841	21.6
Pack. & Ind. Conv. Paper	78209	46889	7251	4824	8865	5458	100557	25.8
Special Industrial Paper	2732	4473	170	291	346	554	3401	19.7
Tissue Paper	10602	7085	1303	852	2340	1554	17317	65.7
Paperboard, Total	159339	40117	16587	5052	16848	5043	220523	43.6
Convtd Paper&Paperbd Products	53382	98664	5300	8070	6043	10126	66813	30.5
Wet Machine Board	3036	1916	123	84	102	66	2146	-30.1
Construction Paper & Board	425362	92836	44803	9901	43472	10722	454814	0.4

EXPORTS TO CANADA

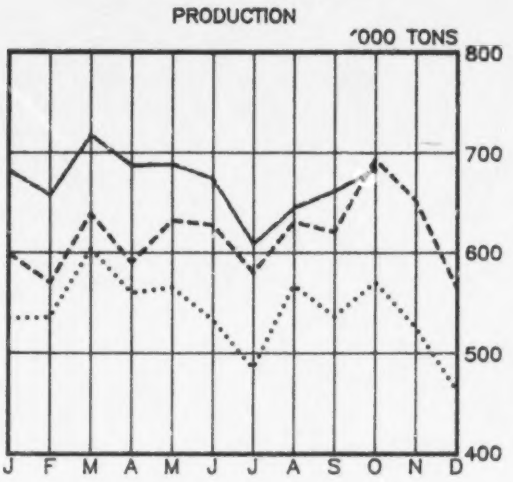
Pulpwood, Roundwood (in cords of 128 cubic feet)	68965	4381	7903	591	6757	174	79180	28.0
Pulpwood Chips	38246	2026	3340	153	1568	72	30755	-18.6
Wood Pulp, Total	133633	55369	14230	6831	11884	5497	165731	24.7
Cotton Pulp & Other Pulp	9567	5207	1156	694	874	620	11020	22.1
Waste Paper	346809	39478	30081	3933	28203	3169	339024	-0.4
Paper, Board & Products,Total	659228	471256	59839	43833	47646	38328	756664	15.7
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	448117	306687	44183	28741	36774	26461	557150	23.6
Paper, Paperboard & Products	628109	459325	56688	42435	45783	37486	725678	16.7
Paper & Paperboard, Only	416998	284756	41033	27342	34910	25629	526184	25.8
Paper, Total	230771	210625	19691	18497	17183	17659	297967	29.1
Newsprint	4312	3805	290	274	303	256	4951	14.4
Printing,Writing & Rel.Pap.	125110	101541	10582	8743	9762	8890	136600	10.4
Pack. & Ind. Conv. Paper	34403	20821	3887	2344	2876	1987	45508	41.3
Special Industrial Paper	63390	81389	4815	5751	3878	6158	107825	82.2
Tissue	3536	2969	306	386	263	365	2981	-26.0
Paperboard, Total	186226	84131	21342	8845	17728	7972	228297	21.7
Convtd Paper&Paperbd Products	211112	184568	15656	15093	10872	11867	199514	-1.9
Wet Machine Board	5289	2978	476	394	309	224	5213	-5.8
Construction Pap & Bd, E	25831	8955	2674	1005	1554	608	25774	-4.7

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

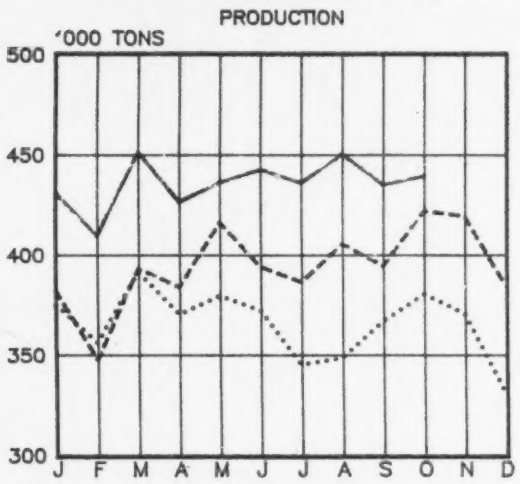
UNBLEACHED KRAFT LINERBOARD



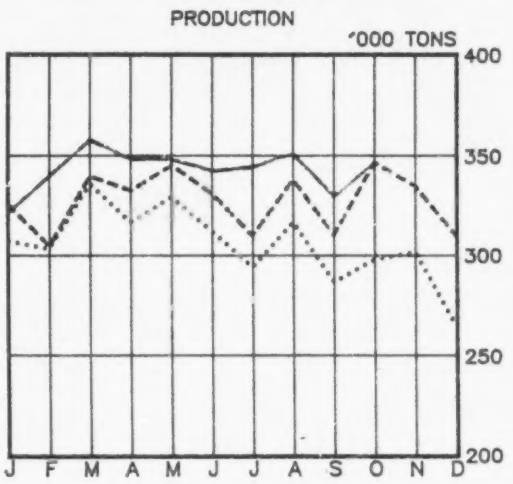
RECYCLED PAPERBOARD



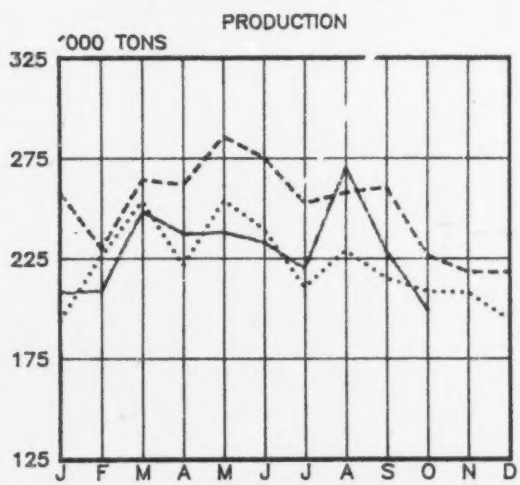
SEMICHEMICAL PAPERBOARD



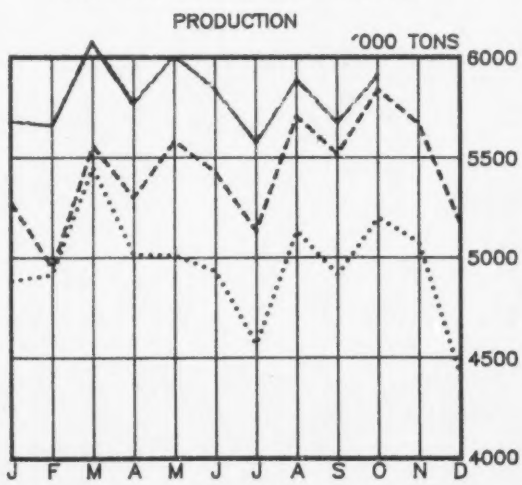
SOLID BLEACHED PAPERBOARD



PAPERBOARD FOR EXPORT



TOTAL PAPER AND PAPERBOARD



1982 ····· 1983 - - - - - 1984 ———

PULP PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1983 Tons	YEAR 1983 $000	AUG. 1984 Tons	AUG. 1984 $000	SEPT 1984 Tons	SEPT 1984 $000	(1) Annual Rate Y-T-D 1984	% Change from same Period Last Year
Pulpwood Roundwood (cords)	155124	7471	9988	465	18151	819	186855	74.5
Pulpwood Chips	1991453	49104	122794	2875	158731	3471	2246808	10.8
Total All Imports	13248280	5526141	1393512	641883	1370638	645280	15752336	23.0
Wood Pulp Total	4093436	1472478	388975	164996	386007	163146	4420627	12.2
Waste Paper	100410	10537	7617	739	9848	1129	110712	10.3
Other Fibrous Materials	68003	24272	7045	2709	4364	1881	69847	5.5
Paper Board & Products Total	8986431	4018855	989875	473439	970319	479124	11151050	28.2
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	8834560	3582292	969581	428211	949382	427813	10933231	27.8
Paper Prbd & Prds ex Cnst&WMB	8509180	3911591	940184	462235	919814	467050	10647492	30.0
Paper & Paperboard Only	8357308	3475028	919890	417007	898877	415740	10429673	28.5
Paper Total	8189481	3428868	901277	411150	880945	409932	10179014	29.1
Newsprint	6819348	2757524	713235	295876	666312	283088	7825215	17.5
Printing & Writing	1151011	587426	174197	105054	199173	115817	2078718	102.6
Uncoated Groundwood	732237	331017	85687	45176	111672	58112	1103323	63.2
Uncoated Book	154147	88632	19145	11927	19631	11879	252103	78.9
Coated Print.& Impres. Par	162441	101289	44086	31623	45994	32177	414018	214.5
Bristols	471	557	81	88	63	97	678	94.3
Writing and Similar Paper	81458	46718	21644	12888	16715	9801	234273	305.9
Thin (except Cigarette)	20258	19213	3554	3353	5097	3951	54324	280.6
Total Pkg & Other Paper	107515	75694	10836	8201	11676	8600	150399	44.3
Unbleached Kraft Paper	42013	17454	3553	1678	3617	1645	46185	13.3
Other Pkg. & Indust. Paper	65503	58240	7282	6521	8059	6955	104204	64.2
Tissue	11617	8225	3009	2020	3783	2627	24682	120.2
Paperboard, Total	167818	46160	18613	5857	17932	5808	250659	53.5
Test or Containerboard	48119	13042	5678	1945	4185	1498	71081	47.4
Semi-Chemical Corrugating	69564	14509	8782	2300	8798	2278	107568	68.7
Other Paperboard	50136	18609	4154	1612	4839	2031	72011	42.3
Convtd Paper&Paperbd Products	151872	436563	20294	45228	20937	51311	217820	54.4
Paper Products, Total	124816	373868	16156	37904	17284	43783	183151	39.7
Paperboard Products, Total	27055	62597	4138	7325	3653	7528	34668	31.1
Wet machine Board	3584	2422	175	111	148	109	2953	-15.2
Construction Paper & Board	473667	104842	48516	11093	50357	11965	500605	0.1
Notes								
Other: No Weight Avail. ($000)		148251		16562		18869	197828	38.3
Total Imports Incl. Other($000)		5674392		658445		664149	7350832	35.2

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	69497	4405	7905	581	6757	174	79612	27.3
Pulpwood Chips	2554176	171269	213499	15786	218751	16383	2389589	-10.4
Total All Exports	10888949	4221511	956062	391802	988813	393171	11488800	7.1
Wood Pulp,Total	3643963	1362022	318333	137824	284526	124673	3632435	1.1
Cotton Pulp and Other Pulp	102863	69805	8586	6670	6118	4240	87948	-12.0
Waste and Old Paper	2573716	308915	274147	35259	299185	37766	3213327	32.6
Paper, Board & Products,Total	4568407	2480769	356996	212050	398984	226492	4555090	-1.2
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3984277	1717788	309040	147173	357236	166631	3969771	-1.7
Paper, Prbd & Prod ex Cnst&WMB	4501039	2448779	350348	208485	393600	223304	4473896	-1.5
Paper & Paperboard, Only	3916910	1685778	302393	143608	351851	163443	3888577	-2.0
Paper, Total	773414	589370	58411	48929	65919	51512	816893	4.5
Newsprint	294870	127119	20688	9488	29313	13231	308343	4.7
Printing & Writing	201798	198304	15664	17037	14234	15459	201853	1.1
Uncoated Groundwood	37289	33300	1813	1879	3007	2631	29298	-20.4
Clay Coated Paper	79182	60033	6656	5325	5264	4539	87145	14.0
Uncoated Free Sheet	59125	71662	5512	6880	4312	6108	63576	6.3
Other Printing & Writing	26202	33310	1683	2953	1650	2181	21833	-18.2
Total Pkg. & Other Paper	260865	255086	21081	21176	21109	21018	288250	6.7
Unbleached Kraft	116170	43227	10900	4600	10837	4178	113051	-2.9
Other Pkg. & Indust. Paper	144695	211859	10162	16577	10272	16841	176199	13.8
Tissue	15881	18861	998	1228	1284	1805	17447	5.2
Paperboard, Total	3143496	1086408	243982	84679	285932	111931	3071684	-3.6
Solid Wood Pulp	2893868	1016184	230651	88199	271105	104941	2918003	-3.6
Total Linerboard	2254538	575862	182932	59012	211747	68721	2173189	-5.1
Bleached Kraft Linerboard	160253	64914	8072	3210	11841	5567	129480	-10.6
Unbleached Kraft Linerbd	2094285	510948	174860	55802	199906	63154	2043710	-4.7
Other Unbleached Kraft	107141	51822	8424	3426	12218	5352	127042	19.1
Other Bleached Kraft	558431	371357	38935	24978	43809	29712	578776	4.6
Semi-Chemical Corrugating	73758	17144	2358	783	3331	1157	38896	-50.2
Recycled Paperboard	149628	70224	13331	8481	14827	6990	153682	-3.7
Convtd Paper&Paperbd Products	584128	763001	47956	64877	41748	59861	585319	2.2
Paper Products, Total	311722	535596	24032	43108	20299	39589	302007	-2.3
Paperboard Products, Total	272408	227406	23924	21769	21448	20282	283312	7.5
Wet Machine Board	11622	5420	1187	642	878	446	13795	18.4
Construction Paper & Board E	55746	26570	5460	2923	4507	2742	67399	21.7
Notes								
Other: No Weight Avail. ($000)		7965		636		675	8008	18.1
Total Exports Incl. Other($000)		4229475		392438		393846	4596042	10.1

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	1982	1983	JULY	AUG.	SEPT	OCT.	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulp, Paper and Products excent Buildinm Grades	273.2	271.4	285.6	286.3	287.2	288.3	281.7	7.8
Pulp Paper & Products, ex. Buildins Grades & ex Waste Paper #	275.8	273.3	286.3	287.0	288.0	289.4	282.6	7.5
Total Wood Pulp	378.1	347.1	410.6	410.0	409.5	399.5	384.9	14.2
Total Paper	286.3	282.3	307.9	306.9	306.7	308.0	302.3	7.8
Total Paper, exc. Newsprint	278.3	277.0	304.5	304.5	303.8	303.1	300.8	9.3
Newsprint	315.8	303.0	334.7	330.7	331.2	338.2	321.6	6.6
Total Paperboard	254.9	250.8	279.1	285.4	288.2	281.8	278.1	11.6
Total Paper and Paperboard #	276.5	272.4	298.9	300.2	300.8	302.9	294.7	8.8
Converted Products	264.4	265.4	281.9	282.4	283.6	285.8	278.2	5.4
Waste Paper	121.1	158.6	254.7	254.5	249.6	235.6	245.4	66.2
All Commodities	298.3	303.1	312.0	310.9	308.5	309.4	310.4	2.6
Industrial Commodities	312.3	315.7	324.0	323.5	322.3	323.2	322.4	2.3

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

IMPORTS AND EXPORTS

	1983					1984		
	I-Qtr.	II-Qtr.	III-Qtr.	IV-Qtr.	Year	I-Qtr.	II-Qtr.	III-Qtr.
Imports				(Thousand Tons)				
Paper, Paperboard and Products	1,913	2,161	2,070	2,365	8,509	2,492	2,647	2,847
Paper and Paperboard	1,883	2,124	2,031	2,319	8,357	2,443	2,593	2,786
Paper	1,847	2,080	1,989	2,274	8,189	2,373	2,537	2,724
Paperboard	36	44	42	45	168	70	56	62
Products	30	36	39	46	152	48	54	62
Exports								
Paper, Paperboard and Products	1,061	1,182	1,164	1,094	4,501	1,052	1,188	1,115
Paper and Paperboard	924	1,034	1,019	940	3,917	895	1,042	980
Paper	194	199	193	187	773	196	220	197
Paperboard	729	834	827	753	3,143	698	821	783
Products	137	148	145	155	584	157	147	135
Paper, Paperboard and Products				(Million Dollars)				
Imports	855	980	963	1,113	3,912	1,183	1,291	1,419
Exports	588	635	617	609	2,449	613	678	639
Total All Imports[1/]								
Imports	1,248	1,422	1,408	1,596	5,674	1,679	1,832	2,002
Exports	989	1,091	1,051	1,098	4,229	1,100	1,196	1,158

SOURCE: Bureau of the Census, Department of Commerce, Foreign Trade Division

Qtr. - Quarter

1/ - Includes paper, paperboard, construction grades, wet machine board, wood pulp and other fibers

Continued from Page 2

At the same time, total exports fluctuated in a rather narrow range of 1.06 million tons to 1.19 million tons. Exports of each sector of the industry also fluctuated within a narrow range during this period.

These trends are consistent with the strength in demand for total paper and paperboard and the generally high operating rates that prevailed during this period. In such an economic environment, demand for imports tends to be quite strong. At the same time, export demand was severely restrained by the high value of the U.S. dollar in foreign markets.

The dollar value of imports and exports are shown in the lower four lines of this chart. The first pair shows the value of imports and exports of paper, paperboard and products.

The last two lines of this table show the dollar value of total imports and total exports, which include data on wood pulp, waste paper and, in the case of imports, miscellaneous fibers. This lower line shows that the trend of growth in the value of imports during 1984 has been much steeper than that of exports. For the entire nine month 1984 period, as shown in the table on page 9, the value of imports was about 60% higher than the value of exports.

Fibrous Materials

According to preliminary data, production of chemical paper grade market pulp in October 1984 showed a relatively strong gain, moving to 534,000 short tons, marking a new high for this product. October 1984 was the first time that the production of chemical paper grade market pulp rose above 500,000 short tons. The October rise in production was, however, reflected in inventory gains; inventories increased about 90,000 short tons in that month.

For the entire ten month period, production of these grades of wood pulp was 7.6% ahead of the comparable 1983 total. Domestic shipments rose by 9%, while export shipments were up about 2%.

The data on page 5 show production of total wood pulp and market wood pulp through September 1984. This table shows the total production of wood pulp rose by 7.2% over its year ago level in the first nine months of 1984, with total chemical paper grade pulp showing a gain of almost that magnitude. Production of the groundwood and thermomechanical grades rose by 11.8%, largely reflecting the strength in demand for newsprint and for coated groundwood papers.

Capital Appropriations

The Conference Board has made available data on capital appropriations by paper and allied products companies included in the 1,000 largest companies in the U.S. for the third quarter of 1984. These data show that appropriations in that quarter

Continued on Page 12

 Continued from Page 11

held close to the second quarter high. At $1.64 billion, the third quarter rate of appropriations was 74% above that of actual expenditures by these companies. Even after cancellations of $144 million are taken into account, net appropriations were 59% above expenditures.

For the first three quarters as a whole, total appropriations amounted to $4.5 billion; actual expenditures $2.6 billion; cancellations of previously approved projects about $0.3 billion. As a result of these trends, the closing backlog of unspent appropriations rose from $4.0 billion at the end of 1983 to $5.5 billion at the end of the third quarter of 1984. This reversed the trend evident during 1983 when the backlog of unspent appropriations declined from $5.1 billion at the start of the year to the $4.0 billion at the year's end.

The rather sizeable volume of appropriations in the first three quarters of 1984, together with the billion and a half dollar increase in the backlog of unspent appropriations, suggest that capital expenditures by these companies will continue strong during the remainder of 1984 and probably through the first half of 1985 as well. This is consistent with data on capital expenditures by the Department of Commerce, which show the 1984 total capital expenditures by paper companies at a record high $7.1 billion, 15% above their year-ago level. Recently-released data by McGraw Hill Economics indicate they expect paper company capital expenditures to rise another 10% in 1985. However, McGraw Hill shows only a 10% increase in capital expenditures from 1983 to 1984.

Capacity

The American Paper Institute has just released its 1984 Paper, Paperboard and Wood Pulp Capacity Survey. This report indicates producers expect paper and paperboard capacity to rise by 1.6% per year from the end of 1984 to the end of 1987, wood pulp capacity at 1.4% per year. If the construction grades are included, the rate of increase in the coming three years will only be 1.5% per year. This is somewhat below the average rate of gain in the first half of 1980's and below the 2% per year increase indicated for paper and paperboard in the entire 1975-1984 period.

The survey shows that total paper and paperboard capacity was 71.1 million tons in 1983, 72.7 million tons in 1984, and is expected to rise to 76.3 million tons in 1987.

The Capacity Survey has been mailed to API members. Non-members may obtain a copy of the report by writing to the Capacity Department, American Paper Institute, 260 Madison Avenue, New York, New York 10016. The price is $250.00 for shipments to domestic addresses, $275.00 for shipments overseas. New York residents, please add the 8.25% sales tax.